

Title (en)
ACCUMULATING ROLLER CONVEYOR

Publication
EP 0542097 A3 19931208 (DE)

Application
EP 92118794 A 19921103

Priority
DE 9113989 U 19911111

Abstract (en)
[origin: EP0542097A2] In order to drive and/or brake the supporting rollers (2) of an accumulating roller conveyor, an endless drive belt (4) and/or a braking belt (6) fixed at the beginning and end are provided. The two belts (4, 6) are alternately pressed on the supporting rollers (2) by means of drive belt rollers (3) and brake belt rollers (5) respectively. The drive belt rollers (3) and the brake belt rollers (5), respectively, of each accumulation place are mounted in a U-rail (12, 13). The U-rails (12, 13) are raised and lowered alternately by means of a drive actuator (10) and a brake actuator (11) respectively, for example a pneumatic cylinder in each case. Two drive cranks (15) and brake cranks (16) are provided for each accumulation place and interact with drive slopes (17) and brake slopes (18), respectively, at the end of the U-rails (12, 13). To control the accumulation process, a switch strip (8) is provided for each accumulation place and is pivoted by the weight of the goods being conveyed. <IMAGE>

IPC 1-7
B65G 47/26; **B65G 13/06**; **B65G 13/075**; **B65G 13/07**

IPC 8 full level
B65G 13/06 (2006.01); **B65G 13/07** (2006.01); **B65G 13/075** (2006.01); **B65G 47/26** (2006.01)

CPC (source: EP)
B65G 47/261 (2013.01)

Citation (search report)

- [XP] DE 9113989 U1 19920116
- [YD] DE 3817388 C1 19890706
- [Y] AT 384595 B 19871210 - TGW TRANSPORTGERAETE GMBH [AT]
- [Y] FR 2537104 A1 19840608 - GALLET SA [FR]

Cited by
CN104150145A

Designated contracting state (EPC)
AT BE CH DE FR LI LU NL

DOCDB simple family (publication)
EP 0542097 A2 19930519; **EP 0542097 A3 19931208**; **EP 0542097 B1 19960117**; AT E133136 T1 19960215; DE 59205097 D1 19960229; DE 9113989 U1 19920116

DOCDB simple family (application)
EP 92118794 A 19921103; AT 92118794 T 19921103; DE 59205097 T 19921103; DE 9113989 U 19911111